

## Biographical sketch

NAME		POSITION TITLE	
Elizabeth D. Hilborn		Environmental Health Scientist (Epidemiology)	
EDUCATION <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Greenfield Community College, Greenfield, MA	RN	1982	Nursing
University of North Carolina, Chapel Hill, NC	BS	1988	Biology
North Carolina State University, Raleigh, NC	DVM	1993	Veterinary Medicine
University of North Carolina, Chapel Hill, NC	MPH	1994	Environmental Health Sciences and Epidemiology
Centers for Disease Control and Prevention	Fellowship	1995-1997	Epidemiology
American College Veterinary Preventive Medicine	Board Certification	2005	Public Health/ Preventive Medicine

### Professional Experience

- 1983-1988 Registered Nurse. Duke University Medical Center, Durham, North Carolina.
- 1989-1995 Registered Nurse. University of North Carolina Hospitals, Chapel Hill, North Carolina.
- 1991 Laboratory Technician. North Carolina State University, Raleigh, North Carolina.
- 1994 Data Analyst. Epidemiology Department, University of North Carolina, Chapel Hill,
- 1995-1997 Epidemic Intelligence Service Fellow. Centers for Disease Control and Prevention, posted to the Connecticut Department of Public Health, Epidemiology Program, Hartford, Connecticut.
- 1997-present Health Scientist (Epidemiology) United States Environmental Protection Agency, National Health and Environmental Effects Research Laboratory, Human Studies

### Selected Professional Activities

- 1997-1998: Steering Committee member: Case Definitions for Non-infectious Conditions, Environmental Health Task Force; Member of Disaster Casualty, Acute Pesticide Illness and Injury Work Groups.
- 1998 - 2001: Project Advisory Committee member. American Water Works Association Research Foundation
- 2000 – 2002: Board of Scientific Reviewers member, American Journal of Veterinary Research
- 2005: Chair, Health Effects Workgroup, International Symposium on Cyanobacteria Harmful Algal Blooms.

### Organizing Committee

- 1997: Workshop: The Assessment of Health Effects of Pesticide Exposure in Young Children
- 2003: USEPA Research on Microorganisms in Drinking Water Workshop
- 2005: International Symposium on Cyanobacterial Harmful Algal Blooms
- 2006: Colloquium on Immunity and Disease Factors Associated with Immunotoxicity

### Workgroups

- 1999 - present: NHEERL Harmful Algal Bloom Workgroup
- 2000: NHEERL Organizational Strategy Development- Goal 2
- 2001 - present, episodic: ORD Drinking Water Multiyear Plan - CCL Workgroup
- 2002 - present: Office of Water/ORD CCL Microbiology Workgroup
- 2006: ORD Drinking Water Multiyear Plan – Distribution System Workgroup

Hilborn, Elizabeth Diane

Selected Publications

Hilborn E, Mermin J, Mshar P, et al. A Multistate Outbreak of Escherichia coli O157:H7 Infections Associated with Mesclun Lettuce. Archives of Internal Medicine. 1999;159:1758-64.

Hilborn E, Mshar P, Fiorentino T, et al. An Outbreak of Escherichia coli O157:H7 Infections and Hemolytic-Uremic Syndrome Associated with Unpasteurized Apple Cider, Connecticut, 1996. Epidemiology and Infection. 2000;124:31-6.

Otto D, Calderon R, Mendola P, and Hilborn E. Eds. Assessment of Health Effects of Pesticide Exposure in Young Children. Proceedings of a Workshop held in El Paso, Texas in December 1997. EPA/600/R-99/086. May 2000. [http://www.epa.gov/orsearch/summary/summary\\_epa\\_600\\_r\\_99\\_086.pdf](http://www.epa.gov/orsearch/summary/summary_epa_600_r_99_086.pdf)

Craun GF, Frost FJ, Calderon RL, Hilborn ED, Fox KR, Reasoner DJ, Poole C, Rexing DJ, Hubbs, SA, Dufour AP. Improving Waterborne Disease Outbreak Investigations. International Journal of Environmental Health. 2001;11:233-47.

Brock JW, Caudill SP, Silva MJ, Needham LJ, Hilborn ED. Phthalate Monoesters Levels in the Urine of Young Children. The Bulletin of Environmental Contamination and Toxicology. 2002;68(3):309-14.

Hilborn E, Royster M, Drabkowski D. Survey of U.S. Public Health Laboratories: Microbial Pathogens of the Candidate Contaminant List. Journal of the American Water Works Association. 2002;94(6):88-96.

Royster M, Hilborn E, Barr D, Carty C, Rhoney S, Walsh D. A pilot study of global position system/geographical information system measurement of residential proximity to agricultural fields and urinary organophosphate metabolite concentrations in toddlers. Journal of Exposure Analysis and Epidemiology. 2002;12:433-440.

Elizabeth Hilborn, Debra Walsh, Pauline Mendola, Michael Royster. Methods for Conducting a Field Study of Young Children. Journal of Children's Health. 2003;1(4):1-13.

Hilborn ED and Padilla S. A dried blood spot method to evaluate cholinesterase activity in children. Archives of Environmental Health 2004;59(9):467-470.

Elizabeth D. Hilborn, Wayne W. Carmichael, Moucun Yuan, Sandra M.F.O. Azevedo. A simple colorimetric method to detect biological evidence of human exposure to microcystins. Toxicon. 2005;46:218-221.

Laura E. Jackson, Elizabeth D. Hilborn, and James C. Thomas. Towards Landscape Design Guidelines for Minimizing the Risk of Lyme Disease. 2006. International Journal of Epidemiology. 2006 Jan 4; [Epub ahead of print]

Raquel M. Soares, Moucun Yuan, Jerome C. Servaites, Alvimar Delgado, Valéria F. Magalhães, Elizabeth D. Hilborn, Wayne W. Carmichael, Sandra M.F.O. Azevedo. Sublethal exposure from microcystins to renal insufficiency patients in Rio de Janeiro, Brazil. In press. Environmental Toxicology. 2006.